

10/622,419

RECEIVED
CENTRAL FAX CENTER
NOV 13 2007Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in this application:

Listing of the Claims:

1-4. (Cancelled)

5. (Amended) A polymerization temperature test element for a polymerization device for polymerizing a dental restoration product, the polymerization device having an energy source for irradiating the dental restoration product with one or both of light radiation and thermal radiation to effect polymerization of the dental restoration product; comprising:

a base element (20);

a centrally located receipt region (12) carried by the base element (20) and operable to receive a dental restoration product to be polymerized in response to the application of energy from the irradiating source, the base element (20) and the receipt region (12) being configured so as to be subjected to the respective light and thermal radiation emitted by the energy source to effect polymerization of the dental restoration product received by the receipt region (12); and

irreversible temperature indicating means carried by the base element and spaced away from the receipt region a distance sufficiently great so that the temperature indicating means cannot be in contact with the dental restoration product to be polymerized, the temperature indicating means indicating that at least one discrete temperature has been reached during irradiation of the dental restoration product ~~The polymerization temperature test element according to claim 4, wherein the base element (20) includes a floor surface (26), and the receipt region is disposed centrally of the base element (20) and extends beyond the floor surface.~~

6-8 (Cancelled)

11/13/2007 PC:HUAP 00000023 10622419

02 FC:1201

210.00 UP

9. (Amended) A polymerization temperature test element for a polymerization

device for polymerizing a dental restoration product, the polymerization device having an energy source for irradiating the dental restoration product with one or both of light radiation and thermal radiation to effect polymerization of the dental restoration product; comprising:

a base element (20);

a centrally located receipt region (12) carried by the base element (20) and operable to receive a dental restoration product to be polymerized in response to the application of energy from the irradiating source, the base element (20) and the receipt region (12) being configured so as to be subjected to the respective light and thermal radiation emitted by the energy source to effect polymerization of the dental restoration product received by the receipt region (12); and

irreversible temperature indicating means carried by the base element and spaced away from the receipt region a distance sufficiently great so that the temperature indicating means cannot be in contact with the dental restoration product to be polymerized, the temperature indicating means indicating that at least one discrete temperature has been reached during irradiation of the dental restoration product ~~The polymerization temperature test element according to claim 4, wherein the base element (20) includes at least one temperature indicating means (32, 34) having a color indicia, the color indicia of each color-temperature indicator (32, 34) having the characteristic that at least one of its brightness and its original color changes and, in particular, changes in an irreversible manner[[.]] upon approaching up to, at the least, reaching[[.]] a predetermined release temperature unique to the respective color-temperature indicator (32, 34).~~

10-19. (Cancelled)

20. (Amended) A polymerization temperature test element for use with a polymerization device having an energy source for irradiating a dental restoration product; the polymerization test element comprising:
a base element with a centrally located receipt region for receiving a dental restoration product which is to be irradiated from an energy source to effect

polymerization of the dental restoration product, wherein the base element includes a floor surface, and wherein the receipt region is disposed centrally and extends beyond the floor surface; and peripheral temperature indicating means supported by the base element, the temperature indicating means being capable of indicating when at least one discrete temperature has been reached during the irradiation of the dental restoration product, the temperature indicating means being irreversible.

21. (New) A polymerizable temperature test element for a polymerization device, in particular in the field of dental restoration, the device having an energy source for irradiating a mass, a base element (20) with a circumferential wall (28) and a support strip (30) which is mounted on the inner side of the circumferential wall (28) and provided with color temperature indicators (32, 34) which change colors at discrete temperatures,
characterized in that:
the base element (20) has a central region (12) to be filled with the mass to be irradiated and
that the central region (12) is spaced away from the support strip (30) in a sufficiently distance, that the temperature indicators (32, 34) can not be in contact with the mass to be irradiated and
that the temperature indicators (32, 34) change the colors irreversible.